

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

KAWAI et al (As Amended)

Atty. Ref.: 2018-747

Serial No. To Be Assigned

Group: unknown

Filed: July 24, 2003

Examiner: unknown

For: STICK-TYPE IGNITION COIL HAVING IMPROVED  
STRUCTURE AGAINST CRACK OR DIELECTRIC DISCHARGE

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

July 24, 2003

Sir:


**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: 

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Form PTO-FB-A820 (Also PTO-1449)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

SUGIURA et al (As Amended)

Atty. Ref.: 2018-746

Serial No. To Be Assigned

Group: unknown

Filed: July 24, 2003

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STRUCTURE AGAINST CRACK OR DIELECTRIC DISCHARGE

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

July 24, 2003

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Applicants hereby disclose to the Patent Office patents, publications, and other information of which they are aware. Forms PTO-1449 listing the above-items for consideration by the Examiner is attached hereto. The listed references were previously cited by or submitted to the Patent Office in connection with the patent Application Serial No. 09/635,138 from which this application claims priority under 35 U.S.C. § 120. Accordingly, pursuant to 37 C.F.R. §1.98(d), copies of the cited references are not being separately provided in this application.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: 

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

2018-747

Not yet assigned

APPLICANT

KAWAI et al (As Amended)

(Use several sheets if necessary)

FILING DATE

GROUP

July 24, 2003

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4866409	9/1989	Umezaki			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	DE 3113743A1	10/1982	Germany				
	WO 93/13533	8/1993	WIPO				
	0388146 A1	9/1990	EPO				
	0738831 A2	10/1996	EPO				
	0827163 A2	3/1998	EPO				
	2512714	09/1976	Germany				
	0258036	03/1988	EPO				
	2302616A	01/1997	Great Britain				
	10-112413	04/1998	Japan				
	1 125519	08/1989	Japan				
	1 63120	04/1989	Japan				
	62 197831	12/1987	Japan				
	9 186034	07/1997	Japan				
	5 267072	10/1993	Japan				
	3 236208	10/1991	Japan				
	2 301105	12/1990	Japan				
	58-61615	04/1983	Japan				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	PATENT ABSTRACTS OF JAPAN, Vol. 007, No. 233 (E-204), 15 October 1983 & JP 58 122713A (Hanshin Electric KK), 21 July 1983
	PATENT ABSTRACTS OF JAPAN, Vol. 096, No. 005, 31 May 1996 & JP 08 017657 A (Nippondenso Co. Ltd.), 19 January 1996
	PATENT ABSTRACTS OF JAPAN, Vol. 010, No. 035 (E-380), 12 February 1986 & JP 60 192313 A (Nippon Denso KK), 30 September 1985
	PATENT ABSTRACTS OF JAPAN, Vol. 013, No. 254 (E-772), 13 June 1989 & JP 01 053514A (Nippon Denso Co. Ltd.), 1 March 1989
	PATENT ABSTRACTS OF JAPAN, Vol. 096, No. 008, 30 August 1996 & JP 08 086267A (Toyo Denso Co. Ltd.), 2 April 1996
	PATENT ABSTRACTS OF JAPAN, Vol. 097, No. 005, 30 May 1997 & JP 09 017662A (Hitachi Ltd: Hitachi Automot Eng Co Ltd), 17 January 1997
	PATENT ABSTRACTS OF JAPAN, Vol. 018, No. 430 (C-1236), 11 August 1994 & JP 06 128471A (Toray Ind Inc); 10 May 1994
	PATENT ABSTRACTS OF JAPAN, Vol. 096, No. 003, 29 March 1996 & JP 07 312839 A (Mitsubishi Electric Corp); 28 November 1995
	Engineering Drawing No. 029700-4790 of DENSO dated 1990

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

<b>INFORMATION DISCLOSURE CITATION</b>	ATTY. DOCKET NO. <b>2018-747</b> APPLICANT <b>KAWAI et al (As Amended)</b>	SERIAL NO. <b>To Be Assigned</b>
(Use several sheets if necessary)	FILING DATE <b>July 24, 2003</b>	GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 767 758	06/1998	SAKAMAKI			
	5 870 012	02/1999	SAKAMAKI			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES NO
04-144217	05/1992	JAPAN			XX
61-158116	07/1986	JAPAN			XX
08-203757	08/1996	JAPAN			XX
07-142233	06/1995	JAPAN			XX
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62-172127	10/1987	JAPAN	concise explanation		
3028977	07/1996	JAPAN	concise explanation		
2-92912	07/1990	JAPAN	concise explanation		
10-22144	02/1998	JAPAN			XX
4-144218	05/1992	JAPAN			

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Journal of NIPPONDENSO Technical Disclosure; Ignition Device for Internal Combustion Engine; No. 81-083; November 15, 1991 with Translation

*Examiner	Date Considered	
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 416 459	5/16/95	IDA ET AL			
	5 778 863	07/1998	OOSUKA			
	5 703 556	12/1997	KIKUTA			
	4 982 498	01/1991	UMEZAKI			
	4 803 454	02/1991	UMEZAKI			
	4 736 179	04/1988	BEHNKE			
	4 532 398	07/1985	HENRIKSSON			
	4 325 096	04/1982	SUNOHARA			
	2 743 308	04/1956	BARDSLEY			
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**FOREIGN PATENT DOCUMENTS**

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Y2-59-030501	08/1984	JAPAN				
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A 09-180948	07/1997	JAPAN				
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A 62-166745	07/1987	JAPAN				
A 50-74123	06/1975	JAPAN				
1 156 732	11/1983	CANADA				
A 05-146107	6/1993	JAPAN				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**


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